**Assignment: Terraform Infrastructure as Code demo executed on Google Cloud Platform free tier or AWS Free Tier**

10-20 hours is a reasonable time box.

This assignment is deliberately open ended to judge a candidate's ability to synthesize a multi-component solution from vague requirements. Take leeway to try an example whayou're most interested in.

**Goal:** Conduct a brief live demo using Terraform to declare, deploy, and clean-up one or more cloud platform services. Demonstrate a connectable service such as a website/web service, container, or VM.

**Cloud Infrastructure:**

GCP Free tier products - <https://cloud.google.com/free>

AWS Free tier products - <https://aws.amazon.com/free>

**Assignment Deliverables:**

- Summary Document any informal but professional format

- Brief informal live demo Deploy, connect, and clean-up cloud services

- Your example Terraform source code (e.g. [main.tf](http://main.tf/)) - Committed to a personal/public repo like GitLab / GCP Cloud Source Repository

Suggested doc contents:

- Approach, tools and services used

- Technical summary of functional elements of the demo

- What you learned

- Blockers / challenges, example workarounds attempted

I hope you find the exercise enlightening and please feel free to run with this and make it your own.

I'll be happy to answer any clarifying questions at this stage, but I strongly encourage you to take the assignment guidance as flexible. Ultimately we'd like to see from your perspective a brief demo of how Terraform is valuable for managing cloud infrastructure.

You will present you work during the beginning of the technical interview